**Super Thermal Power Station of NTPC**

122. SHRIMATI CHANDRIKA ABHINANDAN JAIN: Will the Minister of POWER be pleased to state:

(a) what is the number of power projects undertaken by National Thermal Power Corporation for execution of Super Thermal Power Stations alongwith aggregate approved capacity of each power station;

(b) what is the estimated cost of each power station with names and capacity of each power project in MW alongwith scheduled date of their commissioning;

(c) what are the details of the projects of the NTPC under implementation in the country as on 31st March, 1994;

(d) whether the output of these power stations will enable the country to meet its demand on completion of these power stations; and

(e) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI URMILABEN CHIMANBHAI PATEL): (a) to (c) The National Thermal Power Corporation (NTPC) has taken up implementation of ten coal-based and five gas-based combined cycles power projects. The aggregate approved capacity of these stations, latest approved/estimated cost and acual/anticipated commissioning schedule are indicated in the enclosed statement. (*See* below)

(d) and (e) No, Sir. Generation from NTPC power stations supplements the power demand of the country to a large extent.

**Statement**

*Details of NTPC Projects*

A. *COMPLETED PROJECTS*

| Name of the Project | Capacity in MW Approved | Actual/Expected date of commissioning | Approved cost excluding associated TL system (Rs. Crores) |
|---|---|---|---|
| Singrauli STPP, Uttar Pradesh | 2000 (Stage -I (3X200) Stage -II (2X200+ 2X500) | Unit– I (200) Feb. 1982<br>Unit– 2 (200) Nov. 1982<br>Unit– 3 (200) Mar. 1983<br>Unit– 4 (200) Nov. 1983<br>Unit– 5 (200) Feb. 1984<br>Unit– 6 (500) Dec. 1986<br>Unit– 7 (500) Nov. 1987 | 1118.88 |
| Korba STPP, Madhya Pradesh | 2100 Stage -I (3×200+ 1×500) Stage -II (2×500) | Unit– 1 (200) Mar. 1983<br>Unit– 2 (200) Oct. 1983<br>Unit– 3 (200) Mar. 1984<br>Unit– 4 (500) May. 1987<br>Unit– 5 (500) Mar. 1988<br>Unit– 6 (500) Mar. 1989 | 1625.25 |

| Name of the Project | Capcity in MW Approved | Actual/Expected date of commissioning | Approved co excluding Associated TL+ system (Rs. Crorse) |
|---|---|---|---|
| Ramagundam STPP, Andhra Pradesh | 2100<br>Stage-I<br>(3×200+<br>1×500)<br>Stage-II<br>(2×500) | Unit– 1 (200) Nov. 1983<br>Unit– 2 (200) May, 1984<br>Unit– 3 (200) Dec. 1984<br>Unit– 4 (500) Jun. 1988<br>Unit– 5 (500) Mar. 1989<br>Unit– 6 (500) Oct. 1989 | 2059. |
| Farakka STPP, West Bengal | 2100<br>Stage-I<br>(3×200)<br>Stage-II*<br>(2×500)<br>Stage-III<br>(1×500) | Unit– 1 (200) Jan. 1986<br>Unit– 2 (200) Dec. 1986<br>Unit– 3 (200) Aug. 1987<br>Unit– 4 (500) Sep. 1992<br>Unit– 5 (500) Feb. 1994<br>Unit–6 (500)@ | 2804.67 |
| Vindhyachal STPP, Madhya Pradesh | 1260<br>Stage-I<br>(6×210) | Unit –1 (210) Oct. 1987<br>Unit –2 (210) Jul. 1988<br>Unit – 3 (210) Feb. 1989<br>Unit – 4 (210) Dec. 1989<br>Unit – 5 (210) Mar. 1990<br>Unit – 6 (210) Feb. 1991 | 1460.37* |
| Rihand STPP, Utter Pradesh | 1000<br>(2×500) | Unit – 1 (500) Mar. 1988<br>Unit – 2 (500) Jul 1989 | 2387.40 |
| National Capital Thermal Power Proj ct (Dadri) Uttar Pradesh | 1840<br>Stage-I<br>(4x270) | Unit – 1 (210) Oct. 1991<br>Unit – 2 (210) D c. 1992<br>Unit – 3 (210) Mar. 1993<br>Unit – 4 (210) Mar. 1994 | 1063.60* |
| Unchahar TPP, Uttar Pradesh | 420<br>Stage-I<br>(2×210) | Unit–1 (210) Nov. 1988<br>Unit–2 (210) Mar. 1989 | 925.00 |
| Anta GBPP, Rajasthan | 413<br>Stage-I<br>(3x88+<br>1x149) | Gas Turbine<br>Unit–1 (88) Jan. 1989<br>Unit–2 (88) Mar. 1989<br>Unit – 3 (88) May.1989<br>Steam Turbine<br>Unit – 4 (149) Mar. 1990 | 418.97 |
| Auraiya GBPP, Uttar Pradesh | 652<br>Stage-I<br>(4x112+<br>2x102) | Gas Turbine<br>Unit—1 (112) Mar. 1989<br>Unit—2 (112) Jul. 1989<br>Unit—3 (112) Aug. 1 89<br>Unit—4 (112) Sep. 1989<br>Steam Turbine<br>Unit—5 (102) Dec. 1989<br>Unit—6 (102) Jun. 1990 | 678·77 |
| Kawas GBPP, Gujarat | 645<br>Stage-I<br>(4x106+<br>2x110·5) | Gas Turbine<br>Unit—1 (106) Mar. 1992<br>Unit—2 (106) May, 1992<br>Unit—3 (106) Jun. 1992<br>Unit—4 (106) Aug. 1992 | 373·98* |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| | | Steam Turbine<br>Unit—5(110·5) Feb. 1993<br>Unit—6 (110·5) Mar. 1993 | |
| Dadri GBPP,<br>Uttar Pradesh | 917<br>Stage-I<br>(4x131+2x146·5) | Gas Turbine<br>Unit—1 (131) Feb. 1992<br>Unit—2 (131) Mar. 1992<br>Unit—3 (131) Jun. 1992<br>Unit—4 (131) Oct. 1992<br><br>Steam Turbine<br>Unit—5 (146·5) Feb. 1994<br>Unit—6 (146.5) Mar. 1994 | 960·35 |
| B. ONGOING PROJECTS | | | |
| Kahalgaon STPP,<br>Bihar | 840<br>Stage-I<br>(4x210) | Unit—1 (210) Mar. 1992<br>Unit—2 (210) Mar. 1994<br>Unit—3 (210) Mar. 1995<br>Unit—4 (210) Jun. 1996 | 1715·89 |
| Talcher STPP,<br>Orissa | 1000<br>Stage-I<br>(2x500) | Unit—1 (500) Feb. 1995<br>Unit—2 (500) Nov. 1995 | 1404·04* |
| Gandhar GPP,<br>Gujarat | 648<br>(3x131+1x255) | Gas Turbine<br>Unit—1—(131) Mar. 1994<br>Unit—2 (131) Mar. 1994<br>Unit—3 (131) May, 1994<br><br>Steam Turbine<br>Unit—4 (255) Sep. 1995 | 2500·00 |

M. NEW PROJECTS

| Name of Project | Proposed capacity in MW | Latest cost excluding associated TL+system (Rs. Crores) |
|---|---|---|
| Vindhyachal-II . . . | 1000<br>(2x500) | 2753·38 |
| Unchahar-II . . | 420<br>(2x210) | 1279·51 |
| Faridabad GBPP-I . . | 400 | 1270·27 |
| Kayamkulam . . . | 400 | 1370·58 |

* Cost is under revision. DPR/RCE submitted for approval.
@ The project not taken up due to loW demand of electricity in Eastern Region.
\+ Transmission Line

STPP— Super Thermal Power Project.
GBPP— Gas Based Power Project.
TPP— Thermal Power Project.
GPP— Gas Power Project.

RCE— Revised Cost Estimate.

DPR— Detailed Project Report.